

FB150 User Equipment User's Guide

Chapter 1 - Introduction

The **FB150 User Equipment (UE)** is a dedicated compact solution specifically designed to meet the FleetBroadband services for the maritime environment providing seamless ocean coverage from 76° North to 76° South. FleetBroadband is the marine version of the highly successful BGAN (Broadband Global Area Network) from Inmarsat.

Through a compact antenna, it provides constant, simultaneous access to voice and high-speed data in a compact solution. Allowing you to run online operation systems, and still having access to email, intranet and voice calls - achieving greater operational efficiencies and significantly reducing the cost of both business and crew communications.



Listed is the range of services available for the FB150 User Equipment:

- Intranet and Internet access
- Secure communication
- E-mail and Web-mail
- Phone and fax services
- SMS and instant messaging
- Large file transfers

FB150 User Equipment User's Guide Features

The FB150 Fleet Broadband UE offers the following features:

- Simultaneous voice and data communication over FleetBroadband
- Full duplex, single or multi-user, up to 150 kbps
- Standard Voice (AMBE+2, 4.0 kbps)
- Send and receive text messages up to 160 characters.

Interfaces

The FB150 Fleet Broadband UE offers the following connecting interfaces:

- 1 dedicated Primary Handset port
- 1 GPS output port
- 1 LAN port supporting Power over Ethernet (PoE) for computers, routers and access points.
- 1 Standard RJ11 Phone port for analog (corded) phone
- Built-in Web Console allowing you to manage your phone book, messages and calls, and customize the terminal to your specific needs
- Input power: +12VDC / +24VDC
- Grounding connector
- FCC & CE certified

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Main Units

The FB150 UE includes the following main units:

- **FB150 FleetBroadband ADU (Above Deck Unit)**
 - **FB150 FleetBroadband BDU (Below Deck Unit)**
 - **The Primary Handset**
-
- **FB150 FleetBroadband ADU (Above Deck Unit)**
The FB150 ADU is a medium size, maritime FleetBroadband Class 14, 3-axis marine antenna.

The antenna is self-tracking based on patented beam squint technology. The simple and robust electromechanical system, with one motor per free axis, provides full coverage in azimuth and elevation. Tracking is accomplished by measuring signals being continuously broadcast from the satellite.

The antenna unit includes LNA (low noise amplifier), HPA (high power amplifier) and tracking receiver circuitry to ensure communication even in adverse circumstances.

The radome covers the antenna equipments, which is composed of:

- Antenna Unit
- RF and GPS circuit
- Rotary joint
- Antenna pedestal

All signals (and power) pass through a single coaxial cable, which connects the ADU to the BDU.



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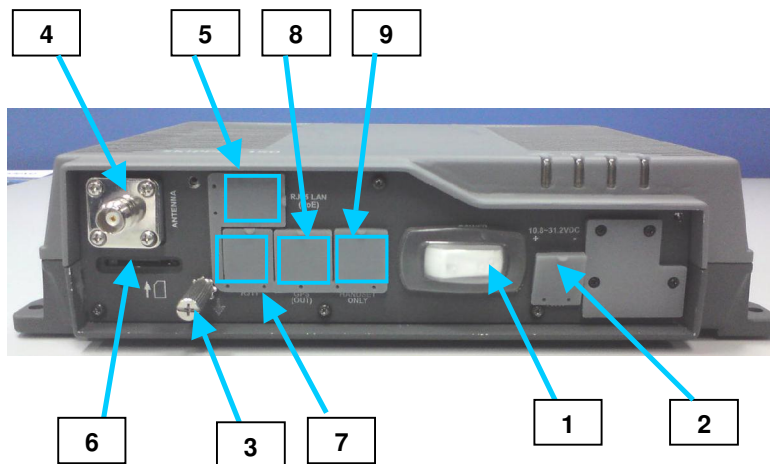
▪ **FB150 FleetBroadband BDU (Below Deck Unit)**

The BDU has been developed for maximum flexibility and is the controlling unit for the FB150 FleetBroadband UE. It features a reliable industry standard interfacing field and enables users to have optimal connectivity no matter what the conditions or your position at sea.



The BDU has a built-in Web Console, which can be accessed from a computer connected to the BDU, using an Internet browser. The Web Console provides easy configuration of the BDU, firmware upgrade and daily use. **For more information, see Chapter 4, Using the Web Console.**

Front Panel



1. Power Switch
2. DC Power Connector
3. Earth Grounding Stud
4. Antenna Cable (Co-Axial) Connector
5. 1 x LAN Port (RJ45 with PoE)
6. SIM Card Slot
7. Phone Port (RJ11)
8. GPS I/O Port
9. Primary Handset Port

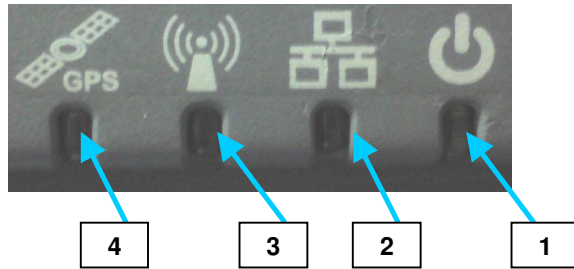
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- **SIM Card Slot (6)**

The BDU has a SIM (Subscriber Identity Module) card slot located at the connector panel behind a small cover plate. The UE requires a dedicated FleetBroadband SIM card to access the FleetBroadband network and configure the settings of the UE.

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Status LEDs



There are 4 Status LEDs to indicate the operational status of the BDU at one glance. Each LED is assigned to the following function:

1. Power/BDU Status
2. Network Status
3. ADU Status
4. GPS Status

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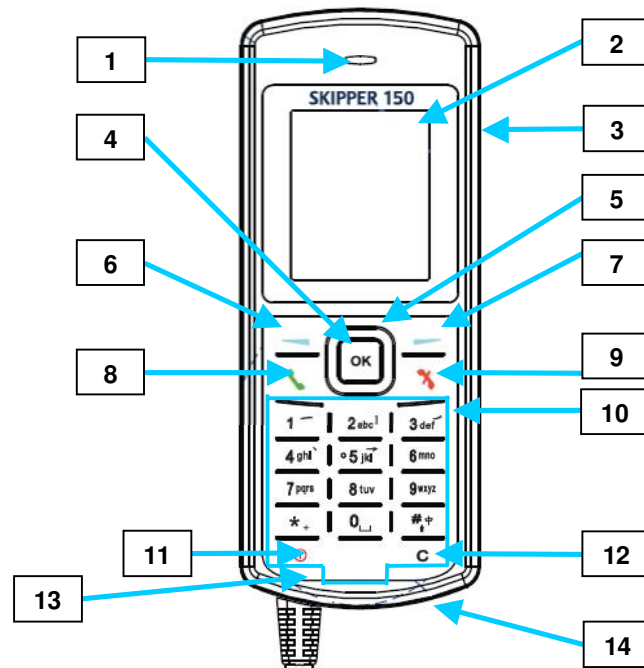
- **The Primary Handset**

The Primary Handset (corded) has a colour LCD and keypad for making voice calls and sending SMS using an interface similar with a mobile phone. You can use it to control and configure the BDU.



The Primary Handset is connected to the BDU using the dedicated **Handset** interface and is powered directly from the BDU. For information on how to use the handset, see [Chapter 3, Using the Primary Handset](#).

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1. Earpiece
2. Display
3. Ear-set jack
4. OK key
5. 4-way navigation ring
6. Select key (Left)
7. Select key (Right)
8. Call/Send key
9. End key
10. Keypad (Alpha-numeric)
11. Power key
12. Clear key
13. Microphone
14. Service Port
15. Ringer*

**The ringer is located at the back of the Primary Handset.*

Chapter 2 – Getting Started

Note:

For information on how to install the system and connect cables, refer to the FB150 User Equipment Installation Manual.

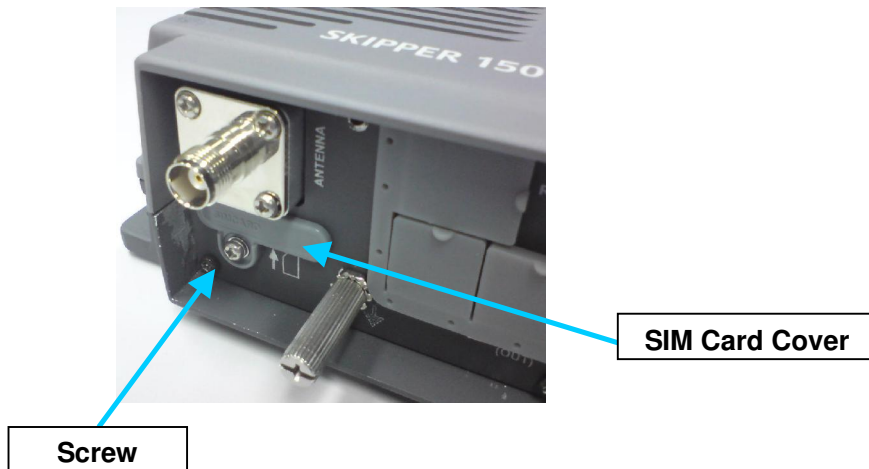
Installing the SIM card

Note:

The FB150 UE requires a dedicated FleetBroadband SIM card to access the FleetBroadband network and configure the settings of the UE. Please refer to your Airtime Service Provider for more information

Follow these steps to install the SIM card:

1. Remove screw securing SIM card cover.
2. Remove SIM card cover.



3. Keep SIM card cover and screw in a safe location.
4. With the gold-contacts facing up, position the SIM card as indicated and slide the SIM card into the slot.



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- Using a screwdriver, push SIM card gently until it clicks and lock in place.



- Install the SIM cover.
- Install screw to secure the SIM cover.

Connecting the Antenna (Co-Axial) Cable

Note:

An antenna (co-axial) cable for connection between the ADU and BDU is provided with the user equipment.

Follow these steps to connect the antenna cable to the BDU:

- Insert antenna cable to the antenna cable connector.



**Antenna Cable
(Co-Axial) Connector**

- Tighten the antenna cable knob to secure the antenna cable to the BDU.

Note:

It's important that the antenna cable is connected properly to the FB150 UE. Check that the antenna cable connectors are securely tightened.

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Connecting to the Power Source

Follow these steps to connect the FB150 UE to the ship's power source:

1. Connect the power cable adapter to the DC power connector.



DC Power Connector

2. Connect the power cable to the ship's DC power supply.
3. Turn on the ship's DC power supply to the FB150 UE.

Connecting the Primary Handset

Note:

The Primary Handset is powered from the BDU through the Primary Handset interface.

Follow these steps to connect the Primary Handset:

1. Connect the Primary Handset to the Handset interface on the rear connection panel.

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Powering Up the FB150 UE

Follow these steps to power ON the FB150


1. Tip down the Power Switch on the front panel.



Power Switch

2. Press and hold the Power  button on the Primary Handset for 4 seconds.

Follow these steps to power OFF the FB150

1. Press the Power  button on the Primary Handset. [khai pang: do we still support this feature ?]
2. Tip up the Power Switch on the front panel.


Entering your SIM PIN

When you acquire the SIM card from the Airtime Service Provider, a PIN (Personal Identification Number : 4 to 8 digits) is provided together with it.

Note:

You will need to enter the PIN at start-up if the FB150 UE has been powered down.

Follow these steps to enter the SIM PIN:

1. Using the keypad on the Primary Handset, enter the SIM PIN.
2. Press  to confirm the SIM PIN.

Note:

If more than three (3) incorrect attempts were used to enter the PIN code, the handset will be locked and will display “xxxxxxx”. You will be required to use the PUK code to unlock the SIM card and to reset your PIN code.


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Making the first voice call

Note:

To make a call, you must be connected to a network and have an adequate SAT signal.


When the ADU Status and Network Status LED indicators on the terminal both light steady green, you are ready to make or receive the first voice call.

To make a call from the Primary Handset, dial
00 <country code> <phone number> followed the  key.

Note:

For international calls and SMS, press and hold the  key until '+' is displayed, then enter <country code> and <phone number> without using the leading "00".

To end the call, press  on the Primary Handset.


To accept an incoming call, press  on the Primary Handset.

To make a call from an analog phone (optional) connected to the FB150 UE Phone port, off-hook the phone and dial,

00 <country code> <phone number> followed by the **#** key.

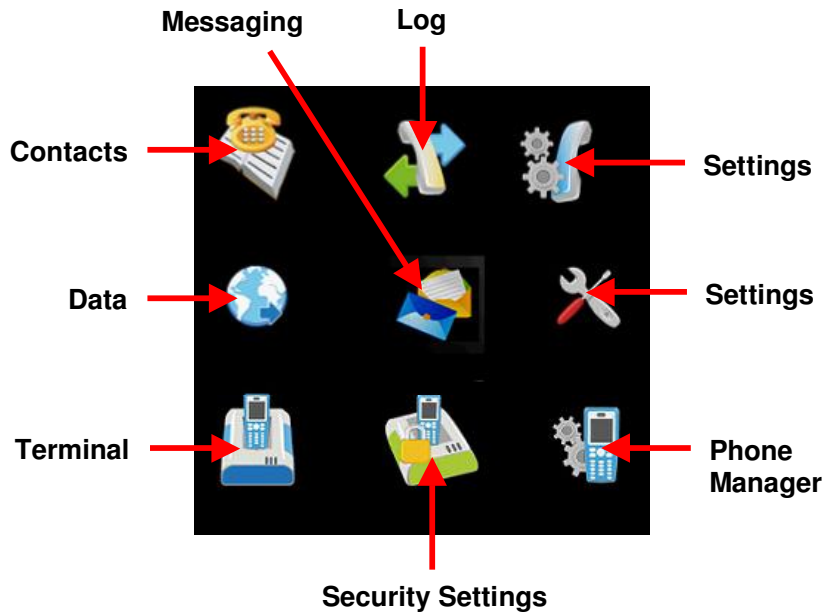
Sending the first SMS (Message)

Follow these steps to send the first SMS:


1. Using the keypad on the Primary Handset, enter the SIM PIN.
2. Press  to select Menu



The Menu selection screen will be displayed on the Primary Handset screen.



3. Using the 4-way navigation ring, navigate to the **Messaging**  icon.

4. Press  to confirm selection.

The SMS editor will be displayed on the Primary Handset screen.

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5. Type in your SMS message using the Primary Handset alpha-numeric keypad.

Tips for writing text:

- To add a space, press the **0** key.
- To quickly change the text input method when writing text, press **#** repeatedly and check the indicator at the top of the display:
 - **<ABC >**: Capital letters
 - **<123>**: Numbers
 - **<abc>**: Small letters
 - **<Abc>**: Initial Capital letter followed by small letters

- To add a number, press and hold the desired number key.

Insert symbols to your message:

- To get a list of special symbols, press *** +**.
- Using the 4-way navigation ring, navigate to the desired symbol.
- Press  to confirm sele

Clearing text:

- To clear text, press **C** once to clear one character at a time.
- To clear the whole text entry, press and hold **C** to clear the whole text entry.

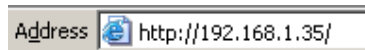
Making the first PDP connection

Note:

For the LAN (Local Area Network) interface to work without any further setup, the computer must be set up to obtain an IP address and a DNS server address automatically.

Follow these steps to connect a computer to the FB150 UE BDU:

1. Connect your LAN cable between the network connector on your computer and the first LAN port on the FB150 UE BDU.
2. Power up your computer.
3. Start your Internet browser.
4. Type **http://192.168.1.35** in the **Address** field and press **Enter**.



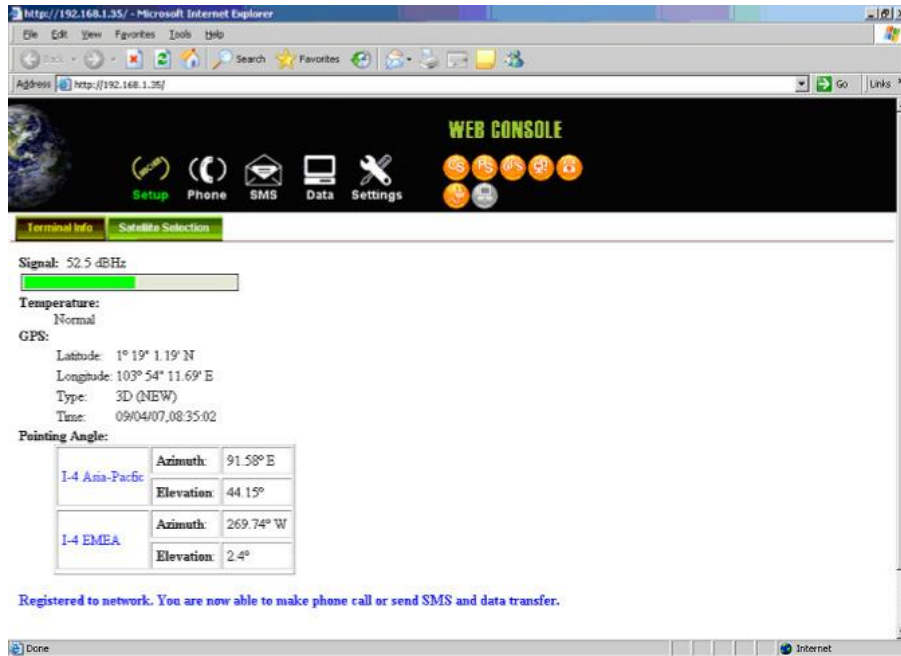
The Login screen appears.


5. Type in **admin** in the **Username** field and **wideye** in the **Password** field. Click **OK**.

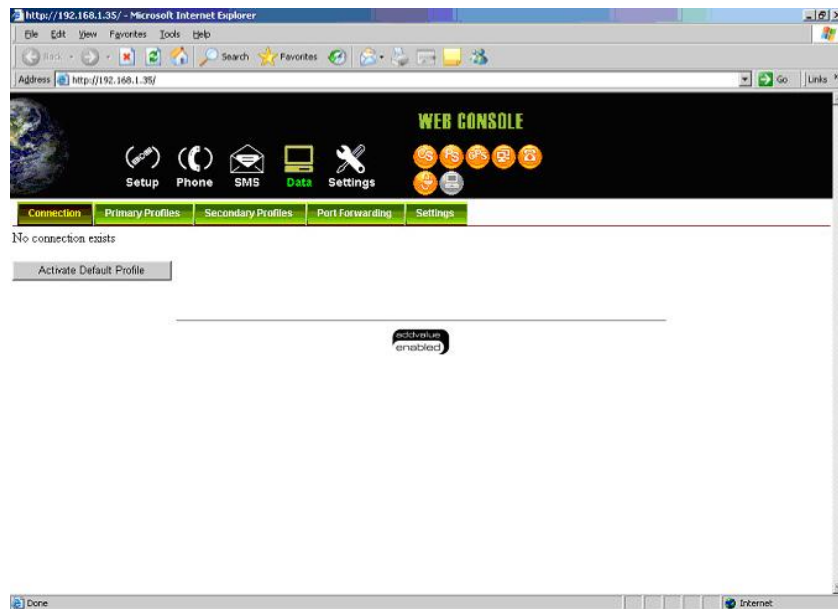


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The FB150 Ranger Web Console will appear on your screen.



6. Click on **Settings**  icon.
7. Click **Activate Default Profile**.



The PDP context will be activated.
When connected, APN and IP Address details will be displayed.
You can proceed to use the Internet features.

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Follow these steps to disconnect the data connection:

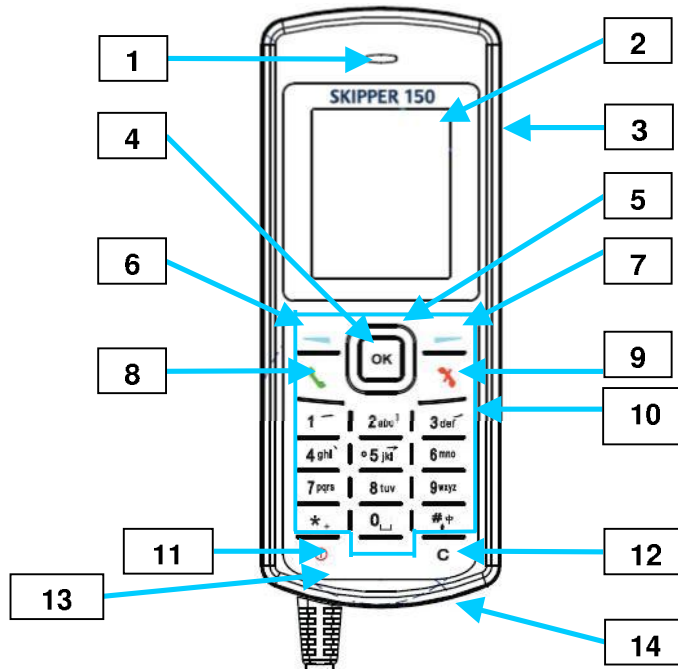
1. Click Disconnect.
The PDP context will be deactivated.



Chapter 3 – Using the Primary Handset

The Primary Handset







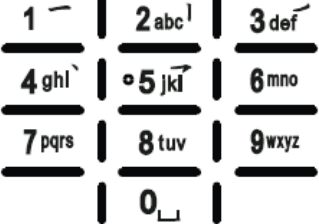
The Primary Handset is connected to the BDU using the dedicated Handset interface and is powered directly from the FB150 UE BDU. You can use the Primary Handset to make voice calls, SMS, control and configure the settings of FB150 UE.







1. Earpiece
2. Display
3. Ear-set jack
4. **OK** key
5. 4-way navigation ring
6. Select key (Left)
7. Select key (Right)
8. Call/Send key
9. End key
10. Keypad (Alpha-numeric)
11. Power key
12. Clear key
13. Microphone
14. Service Port
15. Ringer

**The Ringer is located at the back of the Primary Handset.*

Keypad - Description and Functions


Keys	Description/Functions
	<p>4-way navigation ring.</p> <p>Press the 4-way navigation ring to scroll left, right, up, and down on the display. Enables scrolling through names, phone numbers, menus or settings.</p>
	<p>OK key.</p> <p>Pressing the OK key selects/confirms the function highlighted on the display.</p>
	<p>Left selection key.</p> <p>The functions of the Left selection key depend on the guiding text shown on the display above the key.</p>
	<p>Right selection key.</p> <p>The functions of the Right selection key depend on the guiding text shown on the display above the key.</p> <p>Press the Right selection key to move to a previous window or menu level.</p>
	<p>Call/Off-hook key.</p> <p>After entering a phone number: Initiates a call to the number.</p> <p>From main screen: Opens a list of dialed calls</p>
	<p>End/On-hook key.</p> <p>Press the End/On-hook key to end active calls.</p> <p>Exits from any function when in the menu system.</p>
	<p>Keypad.</p> <p>Used to enter numbers and characters.</p> <p>Press 0 to add a space when writing text.</p> <p>The functions available depend on whether you are typing a phone number (number mode) or text (text mode).</p>

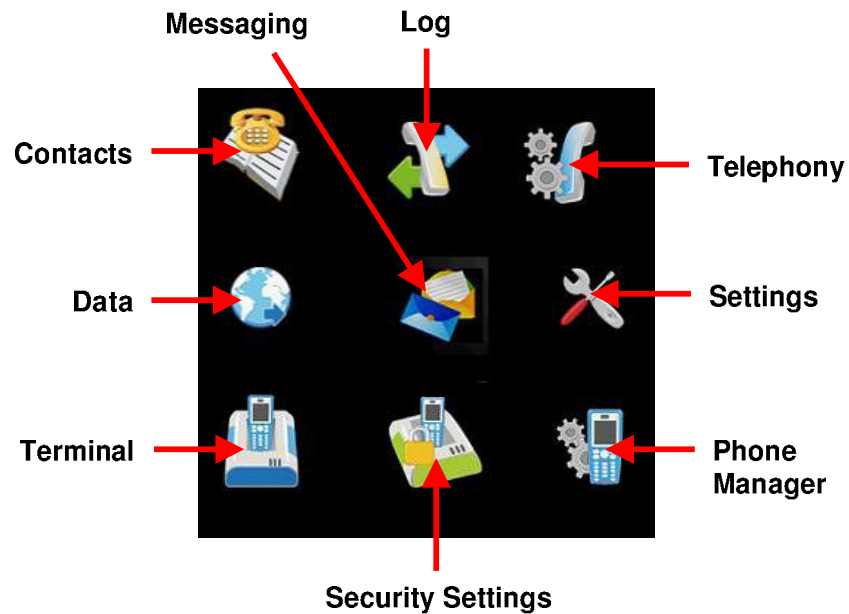
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Keys	Description/Functions
	<p>The Star * key has two functions:</p> <p>When entering a phone number, press the * key to display a +.</p> <p>When writing text, press the * key to access a list of special symbols.</p>
	<p>Press Hash # key: The display shows #.</p> <p>To quickly change the text input method when writing text, press the Hash # key repeatedly and check the indicator at the top of the display</p> <p>In standby mode, press and hold Hash # key to put the Primary Handset to silent mode.</p>
	<p>Power key.</p> <p>When power button is enabled, it Powers both the BDU and handset on/off, when pressed and held for 3 seconds.</p>
	<p>To clear text, press key once to clear one character at a time.</p> <p>To clear the whole text entry, press and hold the key to clear the whole text entry.</p>

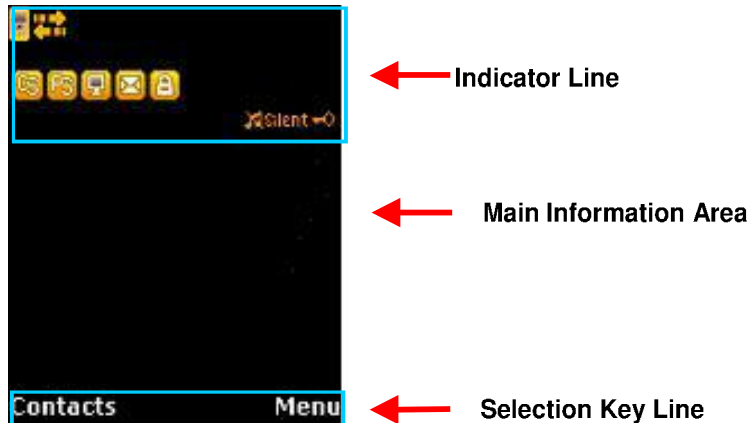
Primary Handset Menu Navigation




The main menu of the Primary Handset includes nine (9) menu options as shown below. Each menu option has their respective sub-menus.

You can use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.













Primary Handset Display



- **Indicator line**
The indicator line shows symbols informing you about the operating conditions of the Primary Handset.
- **Main information area**
The Main information area displays information relating to calls, menu and their submenus, and displays the editors for the Contacts and SMS messages.
- **Selection Key line**
The Selection key line operates using the Left  and Right  selection keys with the  to access menus and controls.

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Primary Handset Status Indicators


<i>Status Indicator</i>	<i>Description</i>
	New short message (SMS) in inbox.
	Available PS domain services.
	Available CS domain services.
	PDP context inactive
	PDP context is active
	Ciphering enabled
	Primary Handset keypad lock
	Primary Handset disconnected from TERMINAL
	Primary Handset connected to TERMINAL
	Primary Handset silent



Making Calls

Note:


To make a call, make sure the UE is connected to a network and there is adequate SAT signal.

You can use the following two options for making a call:

- Manual Dial
 1. Using the alpha-numeric keypad, dial **00 <country code> <phone number>**.
 2. Press  key.

- Using Contacts or Log list from the Primary Handset.
 - Enter the Contacts list of the Primary Handset, scroll to the desired number and press  key, or
 - Enter the Log list of the Primary Handset, scroll to the desired number and press  key.

Note:

For international calls and SMS, press and hold the  + key until '+' is displayed, then enter <country code> and <phone number> without using the leading "00".


To End a Call

1. Press  .

Receiving a call

When there is an incoming call, the Primary Handset will:

- Ring
- The caller's number will be displayed on the screen.
If the number is stored in the contacts, the corresponding name of contact will be displayed.

To answer an incoming call, press the  key.






Adjusting volume during a call

Use the 4-way navigation ring  to adjust the volume.


Messaging (SMS)

Creating a New Message



Follow these steps to create a new message:

1. Press  to select Menu.
The Menu selection screen will be displayed on the Primary Handset screen.
2. Using the 4-way navigation ring , navigate to the **Messaging**  icon.
3. Press  to confirm selection.
The SMS editor will be displayed on the Primary Handset screen.
4. Type in your SMS message using the Primary Handset alpha-numeric keypad.
5. To send the message, select **Send**, enter the recipient's phone number, and press the  key.

Tips for writing text:



- To add a space, press the **0** key.
- To quickly change the text input method when writing text, press  repeatedly and check the indicator at the top of the display:
 - **<ABC >**: Capital letters
 - **<123>**: Numbers
 - **<abc>**: Small letters
 - **<Abc>**: Initial Capital letter followed by small letters
- To add a number, press and hold the desired number key.

Insert symbols to your message:

- To get a list of special symbols, press  + .
- Using the 4-way navigation ring, navigate to the desired symbol.
- Press  to confirm selection.

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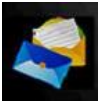



Clearing text:

- To clear text, press  once to clear one character at a time.
- To clear the whole text entry, press and hold  to clear the whole text entry.

Reading a Received Message






When you receive a text message, the New SMS icon  appears on the display.

Follow these steps to read a received message:


1. Press  to select Menu.
The Menu selection screen will be displayed on the Primary Handset screen.
2. Using the 4-way navigation ring , navigate to the **Messaging**  icon.
3. Press  to confirm selection.
4. Select **Inbox**.
5. Using the 4-way navigation ring , scroll to the desired message.
6. Press  to confirm selection.
The message will be displayed on the Primary Handset screen.

Replying to a Message

Follow these steps to reply to a message:

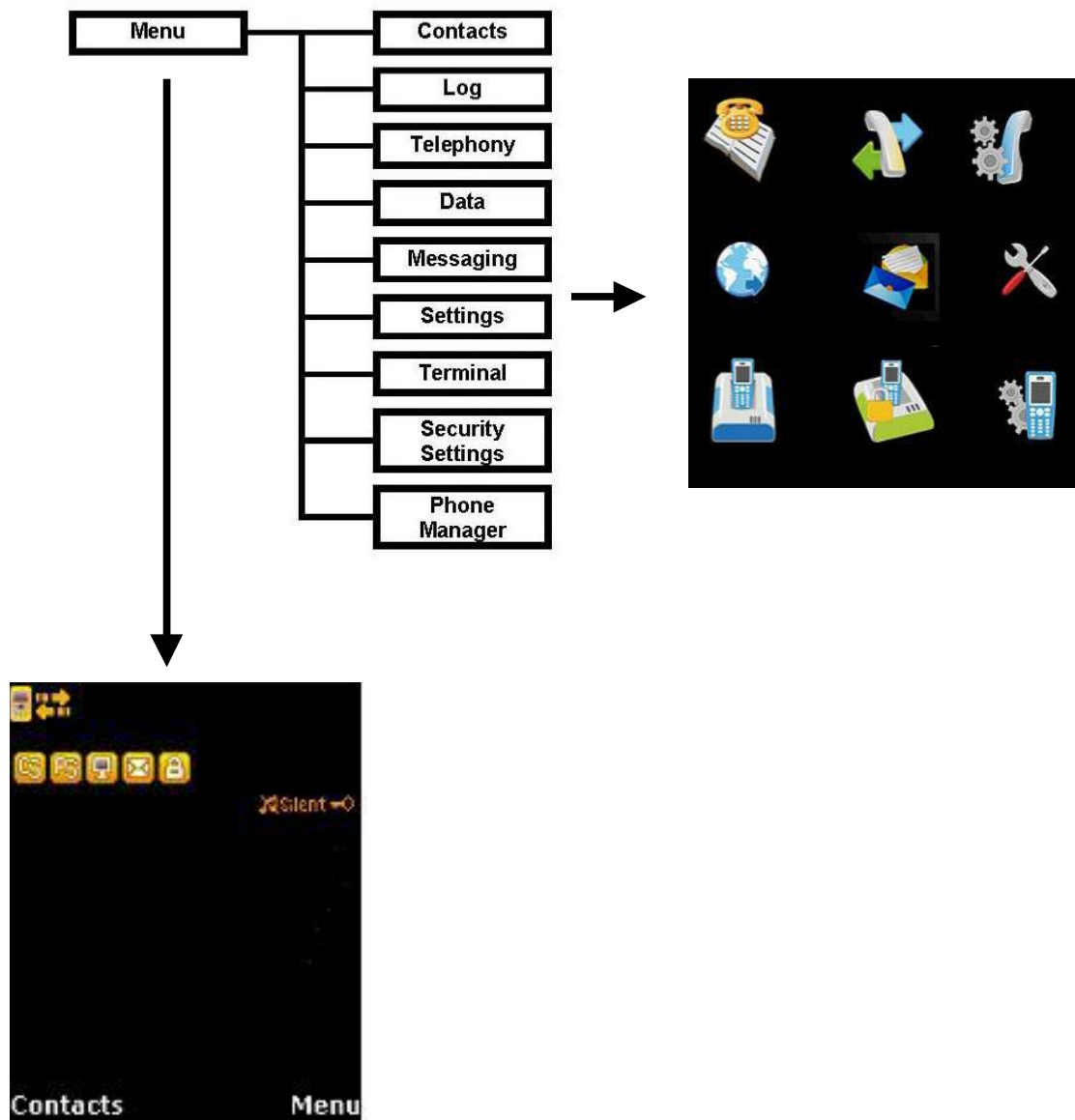
1. Press  to select Menu.
The Menu selection screen will be displayed on the Primary Handset screen.
2. Using the 4-way navigation ring , navigate to the **Messaging**  icon.
3. Press  to confirm selection.
4. Select **Inbox**.
5. Using the 4-way navigation ring , scroll to the desired message.
6. Select **Reply**.

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7. Type in your SMS message using the Primary Handset alpha-numeric keypad.
8. Select **Send** and press the  key.

MENU structure

This section describes the Menu Structure associated with each sub menu:



Contacts Menu






The **Contacts** menu allows you to store and update names and phone numbers of your contacts in the Primary Handset  memory and in the SIM  card memory. The Contacts menu provides the following options for the Primary Handset:

- **Manage contacts (Add /Edit / Delete/ Copy / View number)**
- **Call contacts**
- **Search for contacts**
- **Send message to a contact**
- **Forward contact details**
- **Assign Speed Dial for contacts**
- **Reload contacts**
- **Check memory status**

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Note:

Please refer to the Log Menu structure as a guide to monitor information about phone calls and data usage.



- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.


Adding a New Contact

Follow these steps to add a new contact:

1. Select **New contact**.
2. Select where you want to store the contact (Terminal or SIM).
3. Enter the name and number for the contact.



Note:

For international calls and SMS, press and hold the  +  key until '+' is displayed, then enter <country code> and <phone number> without using the leading "00".

4. Press  to save the contact.

Editing a Contact



Follow these steps to edit a contact:

1. Select the contact to be edited.
2. Press  to view the options menu.
3. Select **Edit contact**.
4. Edit the contact information.
5. Press  to save the contact.
6. Select **Yes** to confirm the changes.

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Deleting a Contact

Follow these steps to delete a contact:

1. Select the contact to be deleted.
2. Press  to view the options menu.
3. Select **Delete**.
4. Press  to save the contact.
5. Select **Yes** to confirm the deletion.



Copying a Contact

Follow these steps to copy a contact:

1. Select the contact to be copied.
2. Press  to view the options menu.
3. Select **Copy**.
4. Press  to save the contact.
5. Select **Yes** to confirm the copy.


Viewing a Contact information

Follow these steps to view the contact information:

1. Select the contact to be viewed.
2. Press  to view the options menu.
3. Select **View number**.
The contact information is displayed on the display.
4. Press  to close the displayed information.

Calling a Contact


Follow these steps to copy a contact:

1. Select the contact to call.
2. Press  to start the call.
A message will pop on the handset showing **Call**.

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Searching for a Contact

Follow these steps to search for a contact:

1. Select **Search**.
2. Press  to confirm your selection.
3. Type in a search criteria and select **Search**.
The first round index of the contact list will be displayed.




Sending a message to a Contact

Follow these steps to send a SMS to a contact:

1. Select the desired contact.
2. Press  to view the options menu.
3. Select **Options**.
4. Press  to display the contact information.
5. Select **Send message**.
6. Type in the message to be sent.
7. Press  to view the options menu.
8. Select **Send** to send the message.

Forwarding Contact details




Follow these steps to forward contact details:

1. Select the desired contact.
2. Press  to view the options menu.
3. Select **Options**.
4. Press  to display the contact information.
5. Select **Forward message**.
6. Press  to view the options menu.
7. Select **Send** to forward contact details.

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Assigning Speed Dial

Follow these steps to assign a speed dial key to a contact:



1. Select the desired contact.
2. Press  to view the options menu.
3. Select **Options**.
4. Press  to display the contact information.
5. Select **Assign Speed Dial**.
6. Navigate the cursor to the slot to be assigned to the contact
7. Press  to confirm the selection.

Reload contacts

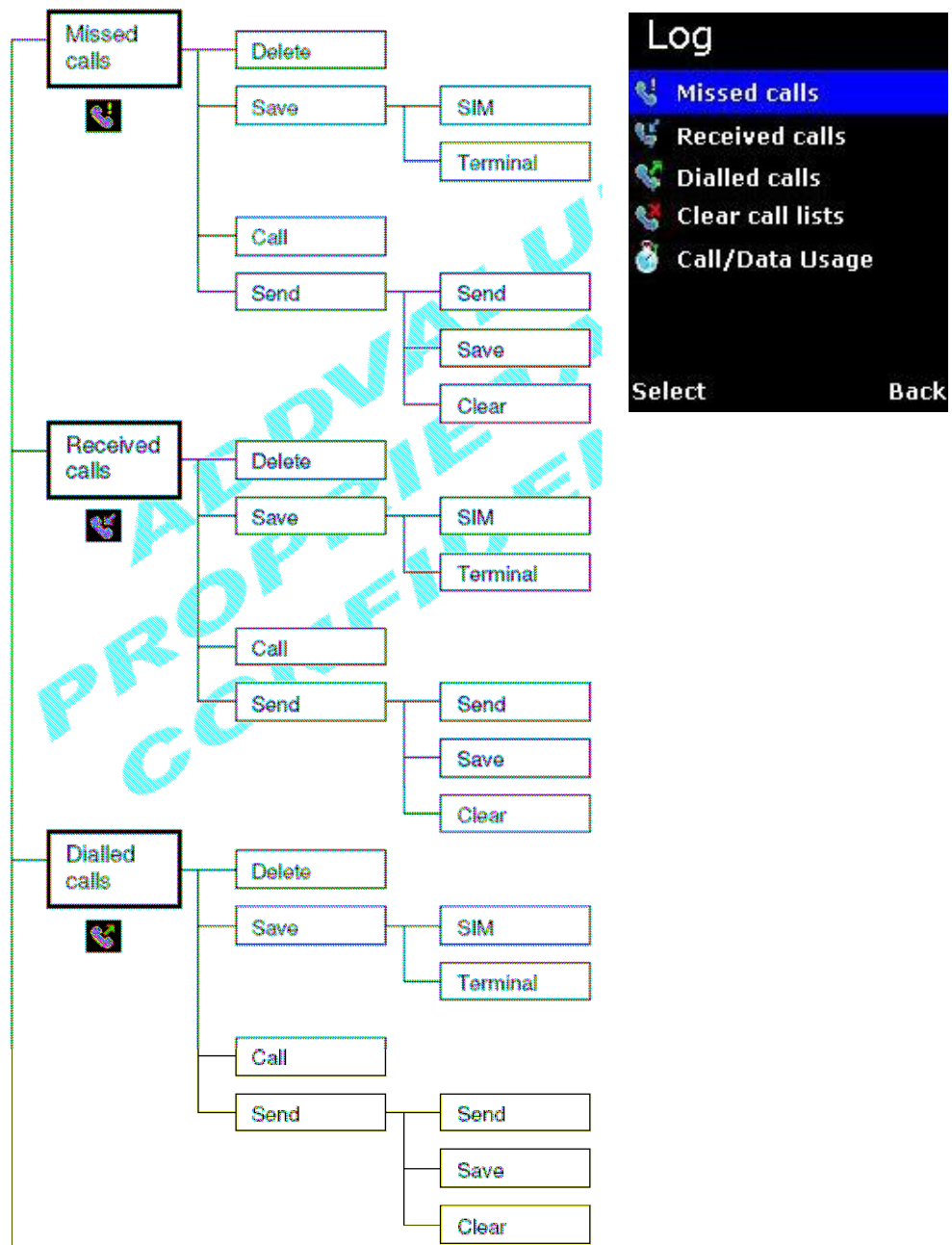
Reload the contacts from the terminal

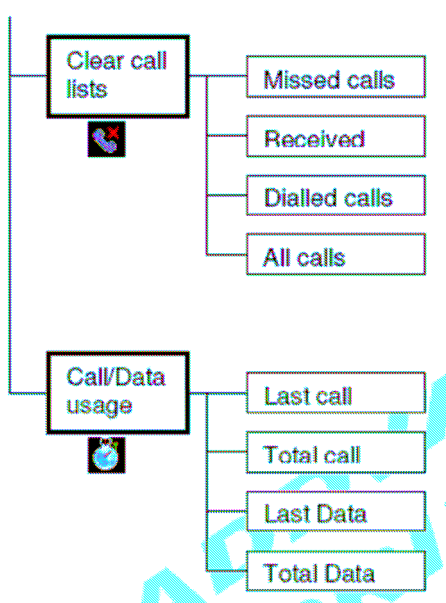
Checking Memory status

Follow these steps to check the Memory status of the Terminal and SIM card:

1. Select **Memory status**.
2. Press  to confirm the selection.
The memory status screen will be displayed.
3. Press  to return to previous menu.

Log Menu










The **Log** menu allow you to monitor information about phone calls and data usage:

- **Missed calls**
- **Received calls**
- **Dialed calls**
- **Clear call listings**

You can filter the log to view just one type of event and create new contact based on the log information.


Note:

Please refer to the **Log Menu structure as a guide to monitor information about phone calls and data usage.**

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.

Checking Call logs

Follow these steps to check the call logs:

1. Select the logs you want to check:
 - **Missed calls**
 - **Received calls**
 - **Dialed calls**
2. Press  to confirm your selection and access the log.


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The log list will be displayed.

3. Select the number and you have the following options available:
 - Delete:** Deletes the number from the list.
 - Save:** Saves the number to the Contacts list.
 - Call:** Call the number
 - Send:** Send an SMS to the number

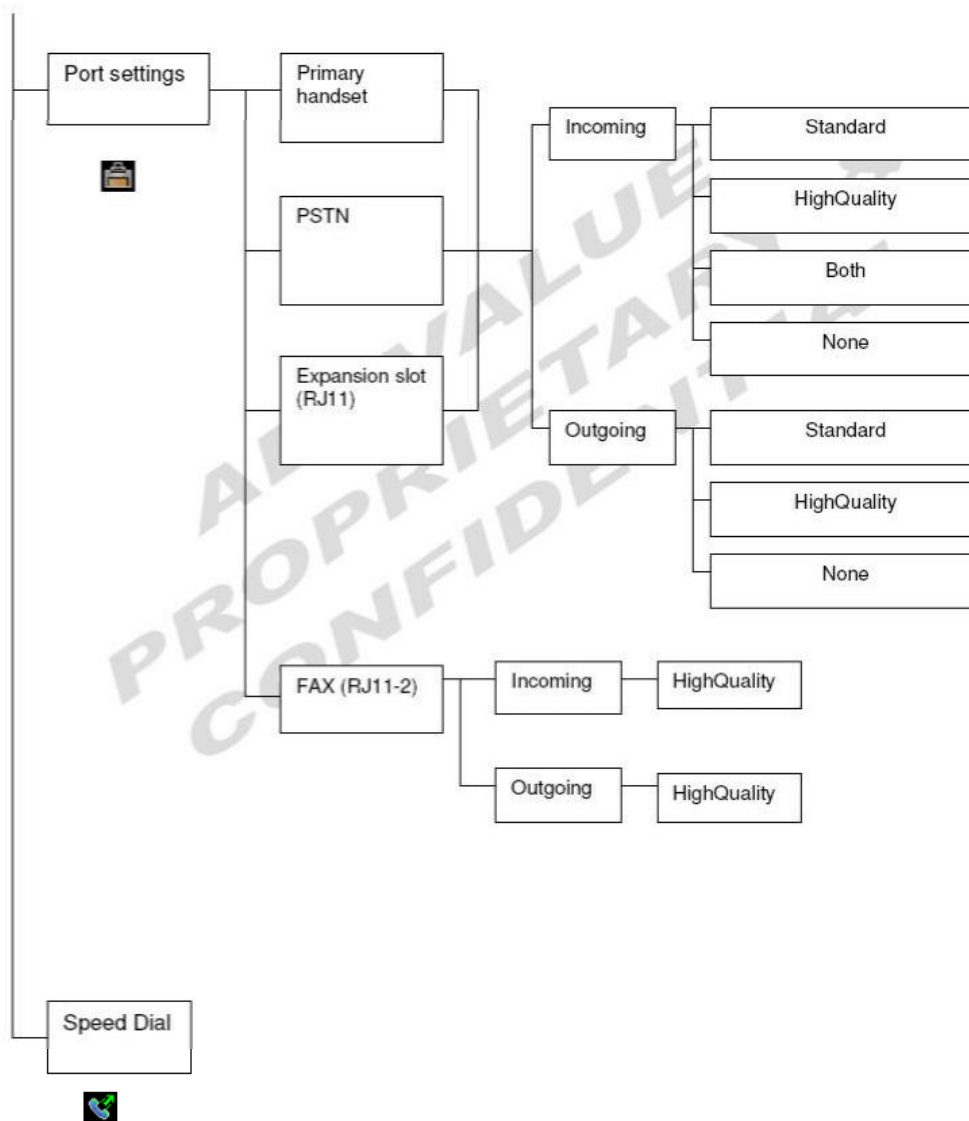
Clear call lists

Follow these steps to clear the call log list:

1. Select the log list you want to clear:
 - Missed calls**
 - Received calls**
 - Dialed calls**
2. Press  to confirm your selection.
The log list will be deleted.



Telephony Menu








The **Telephony** menu provide the following options to configure the call settings for the FB150 UE:

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-
- **Port settings**
- **Speed Dial**

Note:

Please refer to the **Telephony Menu structure** as a guide to configure the call settings for the FB150 UE.

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.




1.

Port Settings

This menu allows you to configure the transmission quality for all the telephony ports:

- **Primary Handset**
- **PSTN**

Follow these steps to configure the ports for Incoming and Outgoing calls:

1. Select **Port settings**.
2. Press  to confirm your selection.
3. Select the port to be configured.
4. Press  to confirm your selection.
5. Select either **Incoming** or **Outgoing** option.
6. Set the option suitable for your requirements.
7. Press  to confirm your selection.

- **Primary Handset and PSTN**




Incoming	Standard	Allow only Standard voice calls
	High Quality	Allow only High Quality voice calls
	Both	Allow Standard and High Quality
	None	No voice call is allowed through this port
Outgoing	Standard	Allow only Standard voice calls
	High Quality	Allow only High Quality voice calls

	None	No voice calls allowed
--	------	------------------------




Speed Dial

This menu provides you with an option to activate or deactivate the speed dial feature and to manage the Speed dial list.

Follow these steps to activate or deactivate the speed dial feature:

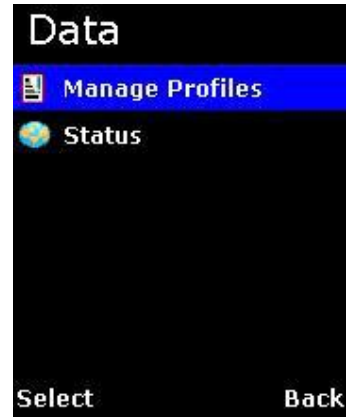
1. Select **Speed Dial**.
2. Press  to confirm your selection.
3. Select **Setting**.
4. Press  to confirm your selection.
5. Select either **Enable** or **Disable** option.
6. Press  to confirm your selection.

Follow these steps to manage the Speed Dial list:

1. Select **Speed Dial**.
2. Press  to confirm your selection.
3. Select **Speed Dial List**.
4. Press  to confirm your selection.
5. Select the entry from the Speed Dial List.
6. Press  to confirm your selection.
7. Select either of the following options:
 - Assign:** Add a contact to this entry
 - Delete:** Remove the current contact from this entry
 - Call:** Call to this contact



Data Menu








The **Data** menu provide the following options to manage and configure data connections (PDP profiles) for the FB150 UE:

- **Primary**
- **Secondary**
- **Status**



Note:

Please refer to the Data Menu structure as a guide to manage the Primary and Secondary profiles for the FB150 UE.

- ☐ Use the Left  and Right  selection keys with the  to access menus and controls.
- ☐ Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.

Adding a new profile

Follow these steps to add a new profile:

1. Select **Managing profiles**.
2. Press  to confirm your selection.
3. Select either **Primary** or **Secondary** option.
4. Press  to confirm your selection.
5. Select the desired option [Standard].
6. Select **Add** to create the new profile.

- ☐ **Primary (PDP) Profile Options**

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Profile Name	Name for the profile
Connection Type	Standard
APN	Your APN provider
IP Configuration	Specifies if your IP is static or dynamic
Header Comp	Enables header compression

■ Secondary (PDP) Profile Options

Profile Name	Name for the profile
TFT	Configures the secondary PDP for one of the following services: <ul style="list-style-type: none"><input checked="" type="checkbox"/> FTP<input type="checkbox"/> QuickLink<input checked="" type="checkbox"/> QuickTime<input type="checkbox"/> RealMedia<input checked="" type="checkbox"/> StreamBox<input type="checkbox"/> WinMedia
Desired rate	Select the desired rate: <ul style="list-style-type: none"><input checked="" type="checkbox"/> 32 K<input type="checkbox"/> 64 K<input checked="" type="checkbox"/> 128 K
Minimum rate	Select the desired rate: <ul style="list-style-type: none"><input type="checkbox"/> 32 K<input type="checkbox"/> 64 K<input type="checkbox"/> 128 K
Error correction	Enables or disables the error correction

Editing a profile

Follow these steps to edit profile:

1. Select **Managing profiles**.
2. Press to confirm your selection.
3. Select either **Primary** or **Secondary** option.
4. Press to confirm your selection.
5. Select the desired option [Standard].
6. Select **Edit** to edit the selected profile.

Deleting a profile



Follow these steps to delete a profile:

1. Select **Managing profiles**.
2. Press to confirm your selection.
3. Select either **Primary** or **Secondary** option.
4. Select the profile to be deleted.
5. Press to confirm your selection.
6. Select **Delete** to remove the selected profile.

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Resetting a profile

Follow these steps to reset a profile:

1. Select **Managing profiles**.
2. Press  to confirm your selection.
3. Select either **Primary** or **Secondary** option.
4. Select the profile to be reset.
5. Press  to confirm your selection.
6. Select **Reset** to reset the selected profile.

Status

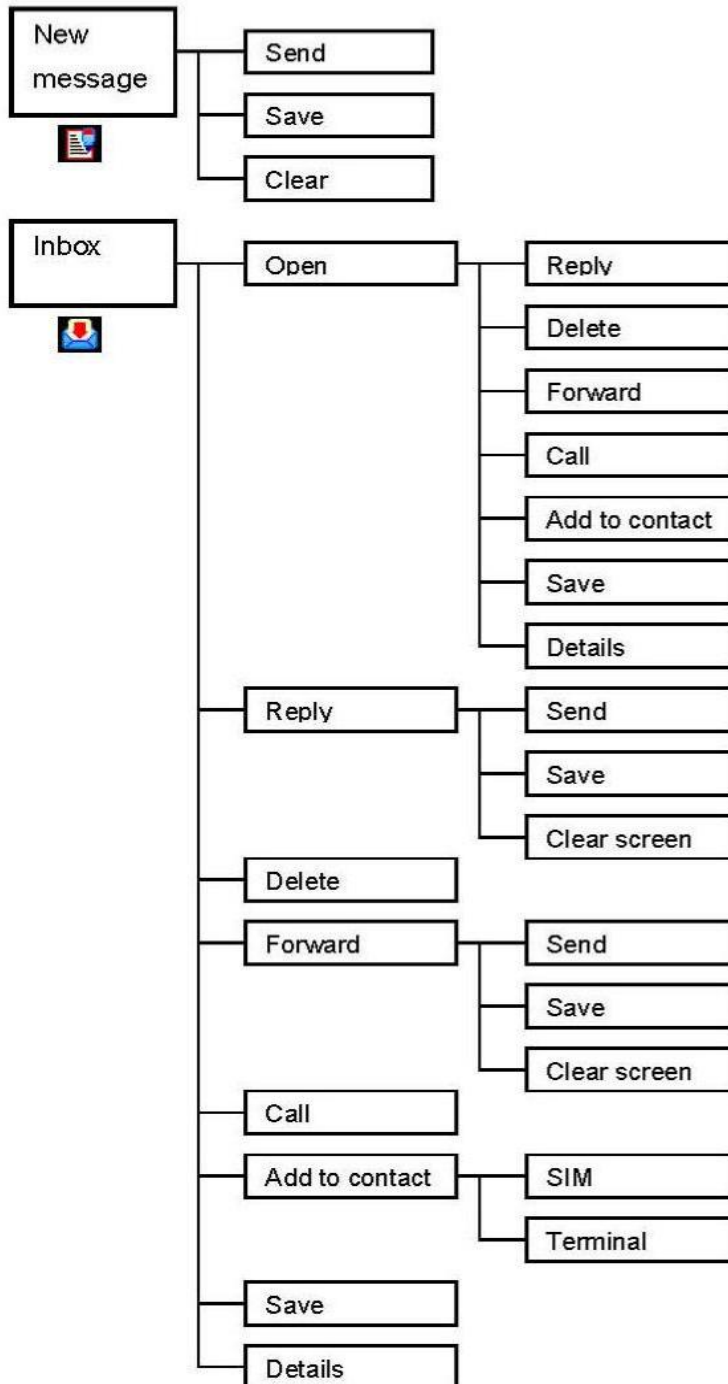
Follow these steps to acquire the status of the current connection:

1. Select **Status**.
2. Press  to confirm your selection.
3. Select an option: **Activate Primary/Activate Secondary/Deactivate**.
4. Press  to confirm your selection.

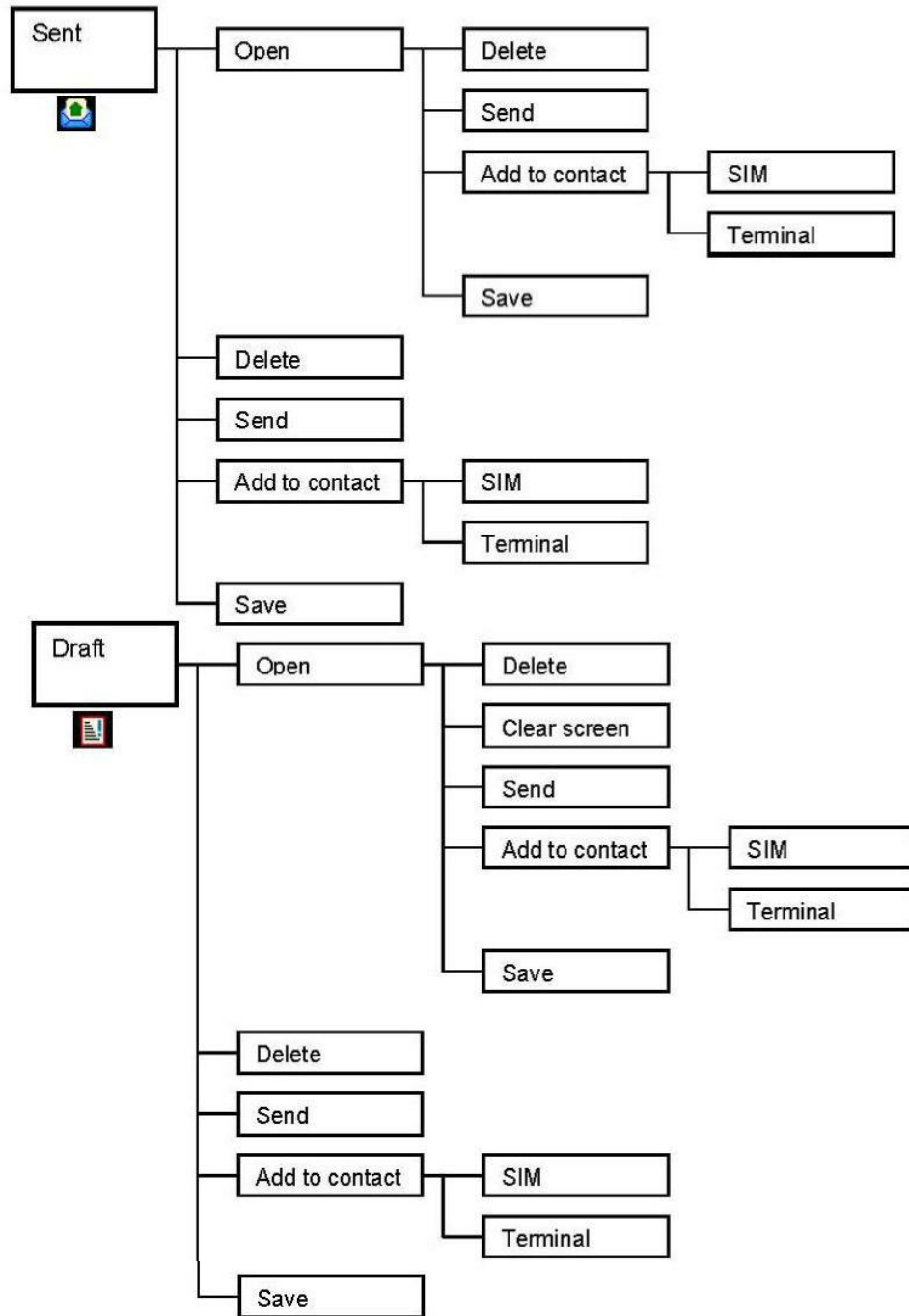


Messaging Menu

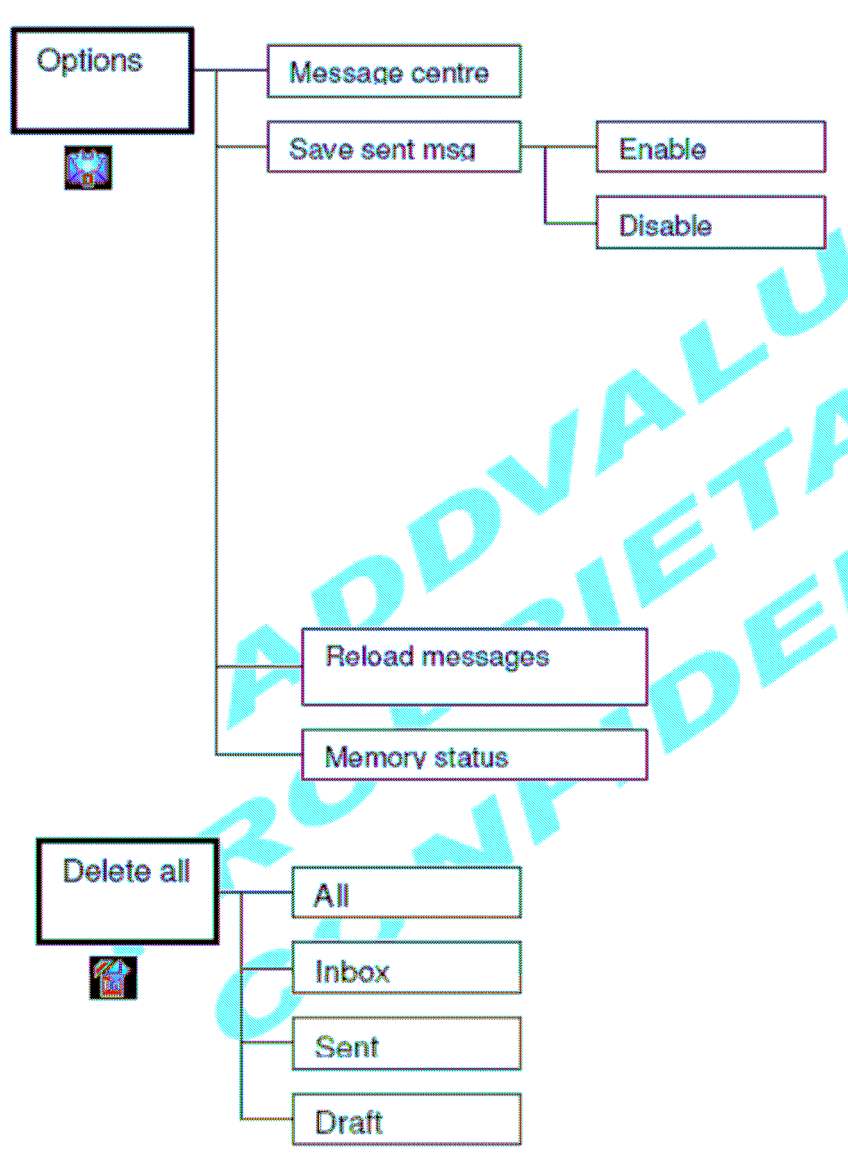
Messaging Sub-Menu Structure (1)



Messaging Sub-Menu Structure (2)



Messaging Sub-Menu Structure (3)








The **Messaging** menu provide the following options:

- **Create new SMS**
- **Manage Inbox folder**
- **Manage Sent folder**
- **Manage Draft folder**
- **Configure Message service number**
- **Check memory status**
- **Delete**
- **Reload messages**
- **Option to save sent message**


Note:

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

Please refer to the Messaging Menu structure as a guide to the menu options available.

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.



Tips for writing text:

- To add a space, press the **0** key.
- To quickly change the text input method when writing text, press  repeatedly and check the indicator at the top of the display:
 - **<ABC >**: Capital letters
 - **<123>**: Numbers
 - **<abc>**: Small letters
 - **<Abc>**: Initial Capital letter followed by small letters
- To add a number, press and hold the desired number key.

Insert symbols to your message:

- To get a list of special symbols, press  + .
- Using the 4-way navigation ring, navigate to the desired symbol.
- Press  to confirm selection.



Clearing text:

- To clear text, press  once to clear one character at a time.
- To clear the whole text entry, press and hold  to clear the whole text entry.

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Creating a New message

Follow these steps to send a new message:

1. Select **New message**.
2. Press  to confirm your selection.
3. Type your SMS message using the Primary Handset alpha-numeric keypad.
4. Select **Send** to send the message.
5. Enter the recipient's phone number or select the recipient from the contacts list.
6. Press  to confirm sending.




Saving a message

Follow these steps to save a message:

1. Select **New message**.
2. Press  to confirm your selection.
3. Type your SMS message using the Primary Handset alpha-numeric keypad.
4. Select **Save** to save the message.
5. Press  to confirm saving the message.

Displaying a message

Follow these steps to display a message:

1. Select any of the following options:
 - Inbox**
 - Sent**
 - Draft**
2. Press  to confirm your selection.
3. Select the message you want to view.
4. Press  to confirm the selection.
The selected message will be displayed.
5. Press  to return to previous menu.

Displaying messages


To display a message in the screen

1. Select Inbox or Sent or Draft
2. Click on Select or OK function key
3. Select the message you want see in the screen
4. Click OK function key

Managing the Inbox folder

Follow these steps to manage the Inbox folder:

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1. Select the **Inbox** folder.
2. Press  to confirm your selection.
3. Select **Options**.


The following options are available for you to manage your Inbox folder:

Reply	To reply to the sender.
Delete	Delete this message from the Inbox
Forward	Forwards this message it also allows you to edit the message before sending it.
Call	Calls the sender of the message
Add to contact	Adds the contact to your phone book
Save	Saves the message in memory
Details	Gives detail about the sender and date time it was sent
Open	Opens the message

4. Press  to confirm your selected option.

Managing the Sent folder

Follow these steps to manage the Sent folder:

1. Select the **Sent** folder.
2. Press  to confirm your selection.
3. Select **Options**.


The following options are available for you to manage your Sent folder:

Delete	Delete this message from the Inbox
Call	Calls the sender of the message
Add to contact	Adds the contact to your phone book
Save	Saves the message in memory
Sent	Sends the message again
Open	Opens the message

4. Press  to confirm your selected option.

Managing the Draft folder

Follow these steps to manage the Draft folder:

1. Select the **Draft** folder.
2. Press  to confirm your selection.

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3. Select **Options**.





The following options are available for you to manage your Draft folder:

Open	Opens the message
Delete	Delete the message
Sent	Sends the message
Add to contact	Adds the number to the phone book
Save	Saves the message

4. Press to confirm your selected option.

Configure Message centre service

Follow these steps to configure Message center service:



1. Select **Options**.
2. Press  to confirm your selection.
3. Select **Settings**.
4. Press  to confirm your selection.
5. Select **Message centre**.
6. Press  to confirm your selection.
7. Enter the message centre number.
8. Press  to confirm.

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Option to save sent message

Check Memory status

Follow these steps to configure Memory status:



1. Select **Options**.
2. Press  to confirm your selection.
3. Select **Memory status**.
4. Press  to confirm your selection.

Reload messages

Reload messages from the terminal

Deleting all messages in a folder

Follow these steps to delete all messages in a folder:

1. Select **Delete all**.
2. Press  to confirm your selection.
3. Select the folder or folders you want to clear.
4. Press  to confirm your selection.



Settings Menu








The **Settings** menu provide the following options to configure the FB150 UE:

- **Ciphering mode** [Enable/Disable]
- **Ethernet** [/Terminal IP Address/DHCP configuration]
- **Satellite** [Satellite selection/Satellite status]
- **Supplementary**

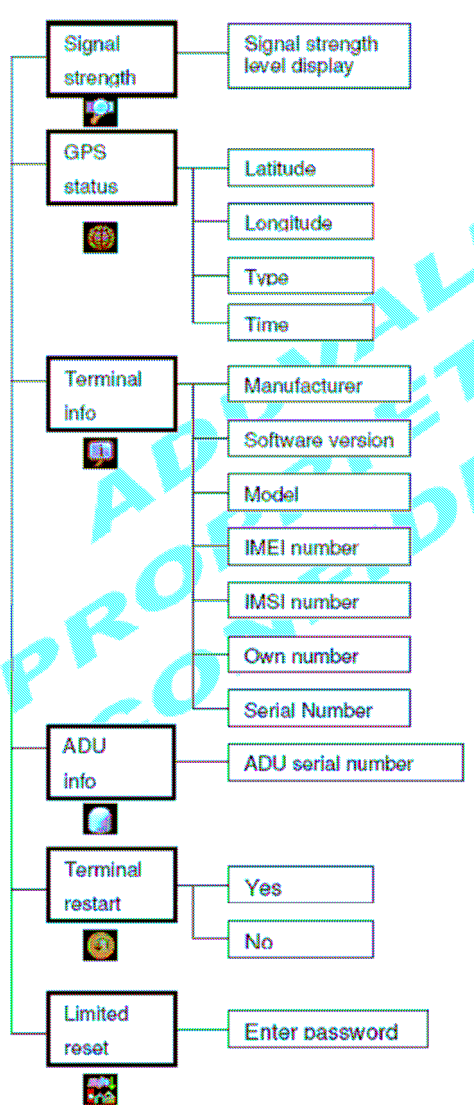
Note:

Please refer to the **Settings Menu structure as a guide to the menu options available to configure the FB150 UE.**

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.



Terminal Menu



The **Terminal** menu provide the following options to check for information and perform resets for the FB150 UE:






- **Signal strength**

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- GPS status
- Terminal Info
- ADU Info
- Terminal restart
- Limited reset

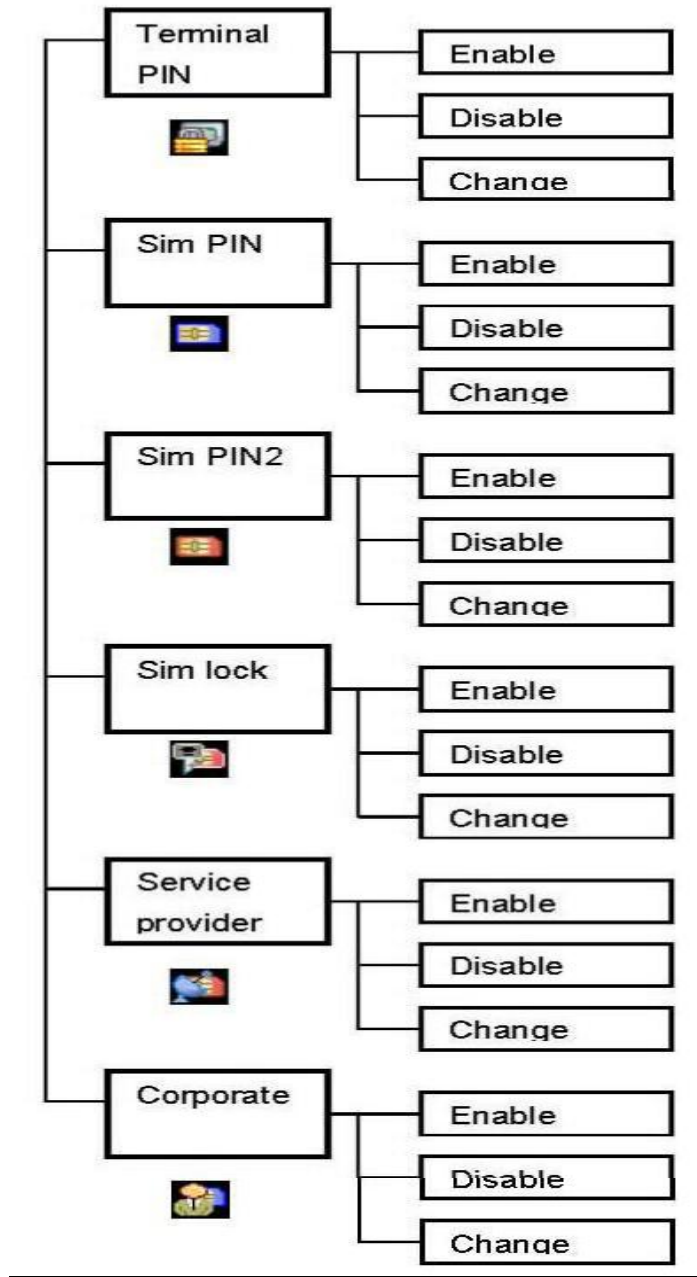
Note:

Please refer to the Terminal Menu structure as a guide to the menu options available to check for information and perform resets for the FB150 UE.

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.



Security Settings Menu



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The **Security Settings** menu provide the following options to manage the PIN and security settings for the FB150 UE:






- **Terminal (FB150 UE) PIN**
- **SIM PIN**
- **SIM PIN2**
- **SIM Lock**
- **Service Provider**
- **Corporate**

There are three options available for selection to manage the PIN and security settings for the FB150 UE:

- **Enable** - Activates PIN/security settings use
- **Disable** - Disables PIN/security settings use
- **Change** - Changes the PIN/security settings to a new one

Note:

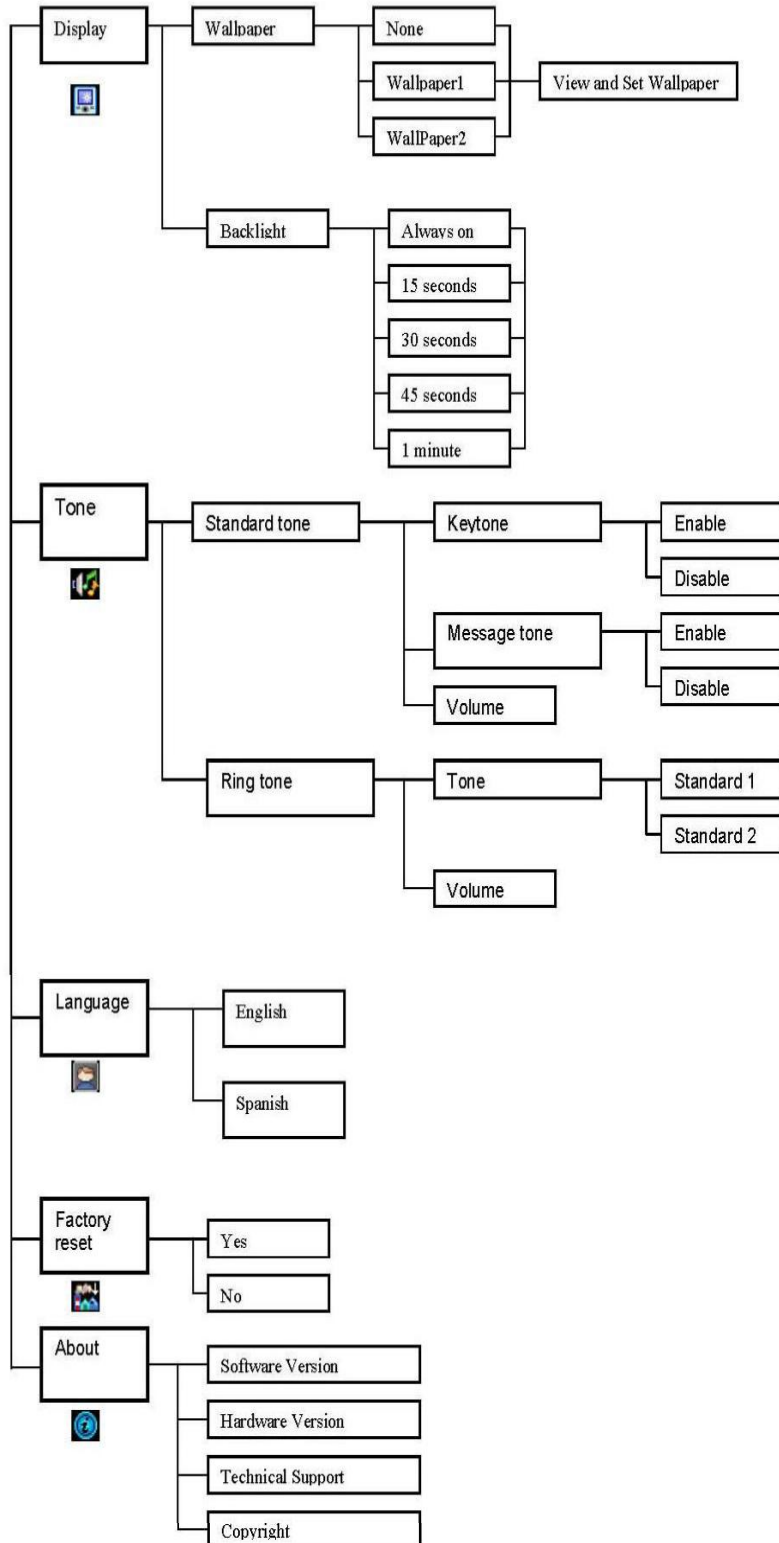
Please refer to the **Security Settings Menu structure as a guide to the menu options available to manage the PIN and security settings for the FB150 UE.**

- ▣ Use the Left  and Right  selection keys with the  to access menus and controls.
- ▣ Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.



Phone Manager Menu

Picture no longer up to date. Please refer to MMI specification version 0008








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The **Phone Manager** menu provide the following options to configure and customize the Primary Handset:

- **Display [/Backlight]**
- **Tone [Standard Tone/Ring Tone]**
- **Language [English/Spanish]**
- **Factory settings**
 - **Power button**
 - **Factory reset**
- **About**

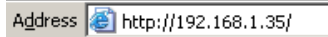
Note:

Please refer to the Phone Manager Menu structure as a guide to the menu options available to configure and customize the Primary Handset.

- Use the Left  and Right  selection keys with the  to access menus and controls.
- Use the 4-way navigation  ring to navigate to the desired menu option and press  to confirm your selection.

Chapter 4 – Using the Web Console

1. Connect your computer to the FB150 UE using a LAN cable.
2. When the connection has been established, open the web browser.
3. Type **http://192.168.1.35** in the **Address** field and press **Enter**.



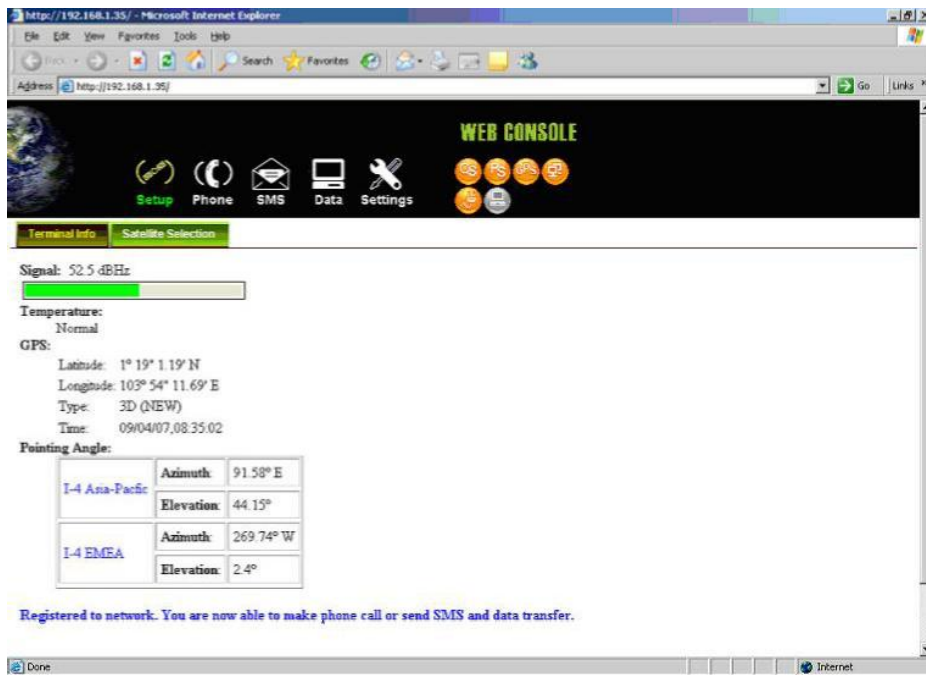
The Login screen appears.

4. Type in **admin** in the Username field and **wideye** in the password field. Click **OK**.



5. The **FB150 UE Web Console** will appear on your screen.

The FB150 UE will automatically register to the Inmarsat FleetBroadband network. This process will include GPS acquisition, satellite tracking and registration with the network, which will take a few minutes. Once the process is completed, you will see the **“Registered to network. You are now able to make phone call, or send SMS and data transfer”** message appearing at the bottom line of the Web Console.



Menu Overview



Setup	Phone	SMS	Data	Settings
Terminal Info	Phonebook	Compose	Connection	Language
Satellite Selection	Call History	Inbox	Primary Profiles	Terminal Info
		Sent	Secondary Profiles	Ethernet
		Draft	Port Forwarding	Telephony
			Settings	PIN
				SMS
				Admin
				Support

Status Indicators



These icons indicate the status of FB150 UE.

Note:

Clicking on these icons gives you a shortcut to the desired menu.

- **Orange** indicates the item is activated.
- **Grey** indicates the item is not activated.

• **Status icons**



CS icon: indicates the Circuit Switch status (Voice calls, SMS, FAX).



PS icon: indicates the Packet Switch information (Internet Browsing, FTP, email).



GPS icon: indicates if the current GPS co-ordinates are valid or not.

• **Action icons**



Internet icon: Click on this icon to activate or deactivate Internet connection.



Ethernet icon: Click on this icon to launch the LAN configuration page.